

WHAT IS CLAIMED IS:

1. A tape-like object feeding device for feeding a tape-like object, comprising:
 - a feeding mechanism that feeds the tape-like object toward an outlet;
 - 5 a cutting mechanism that cuts the tape-like object fed by the feeding mechanism;
 - an ejection roller placed on the outlet side of the cutting mechanism for ejecting the tape-like object cut off by the cutting mechanism through the outlet by revolving while making contact with the tape-like object; and
 - control means which controls at least one of revolving speed, revolving time and
- 10 revolving timing of the ejection roller in the ejection of the tape-like object depending on at least one selected from a type of the tape-like object, a thickness of the tape-like object, a width of the tape-like object and a feeding length of the tape-like object by the feeding mechanism.
- 15 2. The tape-like object feeding device according to claim 1, wherein a driver for driving the feeding mechanism and a driver for driving the ejection roller are provided separately and independently.
- 20 3. A label tape printing device for printing on a label tape as the tape-like object, comprising:
 - the tape-like object feeding device according to claim 1; and
 - an image formation unit placed on an upstream side of the cutting mechanism for forming an image on the label tape.
- 25 4. A tape-like object feeding device for feeding a tape-like object, comprising:
 - a feeding mechanism that feeds the tape-like object toward an outlet;
 - a cutting mechanism that cuts the tape-like object fed by the feeding mechanism;
 - an ejection roller placed on a downstream side of the cutting mechanism in a feeding path of the tape-like object for ejecting the tape-like object cut off by the cutting mechanism
 - 30 by revolving while making contact with the tape-like object; and
 - control means which executes driving control of the ejection roller in the ejection of the tape-like object which has been cut off, depending on at least one selected from a type of

the tape-like object and a feeding length of the tape-like object by the feeding mechanism at a point when the tape-like object is cut off by the cutting mechanism.

5. The tape-like object feeding device according to claim 4, wherein the type of the
tape-like object includes at least one selected from shape, material and laminate structure of
the tape-like object.

6. The tape-like object feeding device according to claim 4, wherein the control means
changes control regarding at least one of revolving time, revolving speed and revolving
10 timing of the ejection roller depending on at least one selected from the type of the tape-like
object and the feeding length of the tape-like object by the feeding mechanism at the point
when the tape-like object is cut off by the cutting mechanism.

7. The tape-like object feeding device according to claim 4, further comprising
15 judgment means for judging the type of the tape-like object.

8. The tape-like object feeding device according to claim 4, wherein the control means
includes:

first driving means for driving the ejection roller; and
20 second driving means for driving the feeding mechanism,
wherein the ejection roller and the feeding mechanism are controlled independently
by driving the first and second driving means separately.

9. The tape-like object feeding device according to claim 4, wherein the control means
25 includes:

common driving means which is used for driving the ejection roller and the feeding
mechanism; and
30 a power connection/disconnection mechanism for switching
connection/disconnection of power transmission from the common driving means to the
ejection roller or the feeding mechanism,

wherein the ejection roller and the feeding mechanism are controlled independently
by controlling the power connection/disconnection mechanism.

10. The tape-like object feeding device according to claim 4, wherein the control means includes calculation means which calculates the feeding length of the tape-like object by the feeding mechanism at the point when the tape-like object is cut off by the cutting mechanism
5 based on information on contents of printing on the tape-like object.

11. The tape-like object feeding device according to claim 4, further comprising a sensor for detecting the feeding length of the tape-like object by the feeding mechanism at the point when the tape-like object is cut off by the cutting mechanism.

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12. The tape-like object feeding device according to claim 4, wherein the tape-like object is a label tape.

13. A printing device comprising:
15 a feeding mechanism that feeds a tape-like object toward an outlet;
a cutting mechanism that cuts the tape-like object fed by the feeding mechanism;
an ejection roller placed on a downstream side of the cutting mechanism in a feeding path of the tape-like object for ejecting the tape-like object cut off by the cutting mechanism by revolving while making contact with the tape-like object;
20 an image formation unit placed on an upstream side of the cutting mechanism in the feeding path for forming an image on the tape-like object; and
control means which executes driving control of the ejection roller in the ejection of the tape-like object which has been cut off, depending on at least one selected from a type of the tape-like object and a feeding length of the tape-like object by the feeding mechanism at a
25 point when the tape-like object is cut off by the cutting mechanism.

14. The printing device according to claim 13, wherein the control means executes the driving control of the ejection roller in the ejection of the tape-like object which has been cut off, further considering at least one selected from information on size of the image generated
30 by the image formation unit and order of image formation in sequential formation of a plurality of images.